Model Number: SUINT1500RTXL2UA

SmartOnline 1.5kVA On-Line Double-Conversion UPS, 2U Rack/Tower, 200/220/230/240V C13 outlets

Highlights

- 1500VA / 1.5kVA / 1200 watt on-line double-conversion 2U rack/tower UPS
- 200/208/220/230/240V 50/60Hz output; High efficiency economy mode option
- Expandable runtime; Hot-swap batteries; 19 in / 48.3cm installed depth
- USB, RS232 & EPO ports; support for SNMP/WEB card options
- Front panel status LEDs with detailed load and battery metering
- 2 independently switchable output load banks
- C14 inlet, C13 outlets, 2 C13 to C14 power cables included

Description

Tripp Lite's SmartOnline SUINT1500RTXL2Ua online, double conversion UPS protects critical server, networking and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large capacity 1.5kVA/1200 watt UPS continuously converts incoming AC to DC, then back to perfect sine wave AC output at selectable 200/208/220/230/240V AC (+/-2%). Removes harmonic distortion, fast electrical impulses, frequency fluctuations and other hard-to-solve power problems not addressed by other UPS types. Pure sine wave output and zero transfer time to battery offers guaranteed compatibility with all equipment types. Highly efficient operation in optional Economy Mode setting, saving BTU heat output and energy costs. Includes 6 IEC-320-C13 outlets arranged in two individually switchable load banks of three outlets each. Load banks can be controlled independently via software interface to selectively reboot remote equipment or shed less important loads to extend battery runtime for critical equipment. Battery backup runtime can be extended through the addition of external battery packs BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible). Network management interfaces support simultaneous communications via USB port, DB9 serial port and SNMPWEBCARD slot. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces simultaneously. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Compatible with Tripp Lite's WatchDog software. 4-post rackmount accessories included; optional 2-9USTAND tower stand kit and 2POSTRMKITWM 2-post rack & wallmount accessories available. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme.

Package Includes

- SUINT1500RTXL2Ua Online Double-Conversion UPS System
- PowerAlert Software and Cabling
- Mounting Hardware
- Owner's Manual with Warranty Information
- 1-6ft. IEC-320-C13 to IEC-320-C14 interconnect cable and 1-10ft. IEC-320-C13 to IEC-320-C14 power connection cable

Features

- True online, double conversion UPS provides pure sine wave AC output at all times
- Maintains continuous operation through blackouts, voltage fluctuations and surges with zero transfer time to battery
- Removes harmonic distortion, electrical impulses, frequency variations and other hard-to-solve power problems
- Accepts input voltages between 130 and 275V (between 160 and 275V at loads over 70%), regulating output to 200/208/220/230/240V +/-2%
- 1500VA / 1200 watt power capacity with 6 IEC-320-C13 output receptacles
- IEC320-C14 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
- 2 C13 to C14 output power cables included
- Standard internal battery set provides 12 minutes runtime at half load and 4.5 minutes runtime at full load
- Optional BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)

- Highly efficient operation in optional Economy Mode setting, saving BTU heat output and energy costs.
- Innovative design makes unit adaptable to rackmount, tower, or stacking applications
- Uses only 2 rack spaces (2U) in standard 19-inch rack
- Optional 2-9USTAND kit enables upright tower placement
- Optional 2POSTRMKITWM enables 2-post rackmount or wallmount installation
- Supports simultaneous communications via built-in USB port, DB9 serial port and SNMPWEBCARD slot
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Slot for optional SNMP/web card (Part Number: SNMPWEBCARD)
- PowerAlert unattended shutdown software and communications cabling included
- Compatible with Tripp Lite's WatchDog software
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Built-in Emergency Power Off (EPO) interface with cable
- Single-line tel/DSL or Ethernet network surge suppression
- Integrated 2-bank switched PDU enables remote outlet management for load shedding or remote reboot of individual load banks (each bank has 3 outlets)

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA capacity (kVA)	1.5
Output Watt Capacity (watts)	1200
Output kW capacity	1.2
Output power factor	0.8
Crest Factor	3:1
Nominal Output Voltage(s) Supported	200V; 220V; 230V; 240V
Nominal Voltage details	230V default
Frequency compatibility	50 / 60 Hz
Frequency compatibility details	Output frequency matches input nominal on startup, defaults to 50 Hz on cold-start
Output voltage regulation (line mode)	+/- 2%
Output voltage regulation (Economy line mode)	+/- 10%
Output voltage regulation (Battery mode)	+/- 2%
Built-in UPS output receptacles	6 C13 outlet(s)
Included output power cables	Includes 2 C13 to C14 output power cables
Built-in controllable switched load banks	Two switchable three-outlet C13 load banks

Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave

INPUT

Rated input current (at maximum load)	6.4A
Nominal Input Voltage(s) Supported	200V AC; 220V AC; 230V AC; 240V AC
UPS input connection type	C14 inlet
UPS input connection description	IEC320-C14 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
Input circuit breaker	10A
Phase	Single-Phase

BATTERY

Full load runtime (minutes)	4.5 min. (1200w)
Half load runtime (minutes)	12 min. (600w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
External battery pack compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible); BP48V27-2US (multi-pack compatible)
DC system voltage (VDC)	48
Battery recharge rate (included batteries)	Less than 6 hours from 10% to 80%
Replacement battery cartridge (internal UPS battery replacement)	RBC94-2U
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, user replaceable batteries

VOLTAGE REGULATION

Voltage regulation description	Online, double-conversion power conditioning
Overvoltage correction	2% output voltage regulation during overvoltages to 275
Undervoltage correction	2% output voltage regulation during undervoltages to 156
Severe undervoltage correction	2% output voltage regulation during undervoltages to 130 (under 70% load only)

LEDS ALARMS & SWITCHES

LED Indicators	14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information; 4-LED meter displays load and battery charge levels; LED panel rotates for viewing in rack/tower formats

Alarms	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation

SURGE / NOISE SUPPRESSION

UPS AC suppression joule rating	480
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL

Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 19
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 48.3
Rack Height	2U
Secondary form factor	Tower (requires 2-9USTAND)
UPS / Power Module weight (lbs)	47.5
UPS / Power Module weight (kg)	21.6
UPS Shipping dimensions (height x width x depth / inches)	9.8 x 20.2 x 24
UPS Shipping dimensions (height x width x depth / cm)	24.8 x 51.4 x 61
Shipping weight (lbs)	60
Shipping weight (kg)	27.2
Cooling method	Fan
UPS housing material	Steel

ENVIRONMENTAL

Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius

Relative Humidity	0 to 95%, non-condensing
AC mode BTU / hr. (full load)	664.2
AC economy mode BTU / hr. (full load)	260.4
Battery mode BTU / hr. (full load)	664.2
AC mode efficiency rating (100% load)	86%
AC economy mode efficiency rating (100% load)	94%
Audible Noise	45dBA At Front Side 1 Meter

COMMUNICATIONS

Communications interface	USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications
PowerAlert software	Included
Communications cable	USB and DB9 cabling included
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

LINE / BATTERY TRANSFER

Transfer time	No transfer time (0 ms.) in online, double-conversion mode
Low voltage transfer to battery power (setpoint)	160V (100% load), 130V (
High voltage transfer to battery power (setpoint)	275

SPECIAL FEATURES

Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Automatic inverter bypass; Hot swappable batteries
Green & high efficiency features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation

CERTIFICATIONS

UPS Certifications	CE
UPS Certification details	Kuwait, EMI Approvals: EN62040-2

WARRANTY

Product Warranty Period (Worldwide)	2-year limited warranty

Related Items

Optional Products

Related Model	Description	Qty.
BP48V27-2US	BP48V27-2US - 2U External 48V Rack/Tower Battery pack for select Tripp Lite UPS Systems	1
BP48V24-2U	BP48V242U - External Battery Pack for UPS System	1
BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	1
AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	1
MODBUSCARD	For remote monitoring and control via MODBUS protocol	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or Telnet	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires UPS with SNMPWEBCARD, monitored PDU or switched PDU.)	1
SRSWITCH	Magnetic Door Switch Kit for front and rear doors; requires ENVIROSENSE	1
UPSHDEARKIT	Heavy-Duty 2-post Front Mounting Ear Kit	1
2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1
2POSTRMKITHD	Enables 2-Post Rackmount Installation of 3U and Larger UPS, Transformer and Battery Pack Components	1
PDUNV	Single-Phase Basic PDU, 16A 100-240V, 1U Rackmount, C13 C19 outlets, C20 input and C14, L6-20P, L5-20P, 5-20P and 5-15P adapters	1
PDUMH15HVNET	Single-Phase Switched PDU, 15A 200-240V, 1U Horizontal Rackmount, 8 C13 outlets, C14 inlet with C14 power cable	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at

http://www.tripplite.com/sku/SUINT1500RTXL2UA.